NEWZEN CONSULTANT BANGALORE

NC/PMC/PD/MW-01/2017-18/AM-C1

Date: 26-02-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Construction of Ampi theater and other Development Work at Proposed Mallasandra Park in Mallasandra S.No.33 Mallasandra Ward No.13.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Technical Manager, KRIDL.

PHYSICAL TESTS ON CEMENT

Brand : ACC
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**149 min**	Shall not be less than 30 min
2	Final setting time	**2.58 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.95 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**1.80 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**29.15 N/Sq mm**	Shall not be less than 27 N/Sqmm

KIRAN. R

Asst. Executive Engineer
Project Sub Division-I
Dasarahalli Zone,
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For Newzen Consultants Bangalore
Proprietor

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NC/PMC/PD/MW-01/2017-18/AM-PCC1 Date: 26-02-2018

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for M-10 grade concrete .
{Project*: Construction of Ampi theater and other Development Work at Proposed Mallasandra Park in Mallasandra S.No.33 Mallasandra Ward No.13.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

1. COARSE AGGRGATES Table - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	97.85	85-100	95 – 100
20mm	64.10	0 -20	30- 70
10mm	32.35	0 -5	10- 35
4.75mm	Nil	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone –III	
04.75	98.15	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	87.50	60-95	75-100	85-100	
01.18	67.25	30-70	55-90	75-100	
600. mic	38.35	15-34	35-59	60-79	
300.mic	17.70	5-20	8-30	12-40	
150.mic	8.25	0-10	0-10	0-10	

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NEWZEN CONSULTANT BANGALORE

NC/PMC/PD/MW-01/2017-18/AM-C2

Date: 03-03-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Construction of Ampi theater and other Development Work at Proposed Mallasandra Park in Mallasandra S.No.33 Mallasandra Ward No.13.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Technical Manager, KRIDL.

PHYSICAL TESTS ON CEMENT

Brand : ACC
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**158 min**	Shall not be less than 30 min
2	Final setting time	**252 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.12 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**1.98 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.85 N/Sq mm**	Shall not be less than 27 N/Sqmm

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NEWZEN CONSULTANTS BANGALORE

NC/PMC/PD/MW-01/2017-18/AM-PCC2

Date: 03-03-2018

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for M-10 grade concrete .
{Project*: Construction of Ampi theater and other Development Work at Proposed Mallasandra Park in Mallasandra S.No.33 Mallasandra Ward No.13.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

1. COARSE AGGRGATES Table - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	98.65	85-100	95 – 100
20mm	64.10	0 -20	30- 70
10mm	32.50	0 -5	10- 35
4.75mm	Nil	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone –III	
04.75	98.10	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	88.25	60-95	75-100	85-100	
01.18	66.80	30-70	55-90	75-100	
600. mic	37.10	15-34	35-59	60-79	
300.mic	18.75	5-20	8-30	12-40	
150.mic	7.35	0-10	0-10	0-10	

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NEWZEN CONSULTANTS BANGALORE

NC/PMC/PD/MW-01/2017-18/AM-C3 Date: 12-03-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Construction of Ampi theater and other Development Work at Proposed Mallasandra Park in Mallasandra S.No.33 Mallasandra Ward No.13.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Technical Manager, KRIDL.

PHYSICAL TESTS ON CEMENT

Brand : ACC
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**161 min**	Shall not be less than 30 min
2	Final setting time	**264 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.85%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**1.97 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.45 N/Sq mm**	Shall not be less than 27 N/Sqmm

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NEWZEN CONSULTANT BANGALORE

NC/PMC/PD/MW-01/2017-18/AM-FA1

Date: 12-03-2018

1. TESTING OF FINE AGGREGATES :

Sub: Testing of Fine Aggregates.
{Project*: Construction of Ampi theater and other Development Work at Proposed Mallasandra Park in Mallasandra S.No.33 Mallasandra Ward No.13.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Technical Manager, KRIDL.

TABLE - 1.1 : SIEVE ANALYSIS :

IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -II	
04.75	**96.40**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**88.15**	60-95	75-100	85-100	
01.18	**74.50**	30-70	55-90	75-100	
600. mic	**44.60**	15.34	35-59	60-79	
300.mic	**26.90**	5-20	8-30	12-40	
150.mic	**7.15**	0-10	0-10	0-10	

TABLE 1.2 ;

Sl No	Test Conducted	Sample	Results	Requirements as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	**15.85%**	-----
2	Silt Content	----	**0.57%**	Not more than 8%
3	Specific Gravity	----	**2.62**	-------

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